

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

**Patent Application**

**Patent Application**

Inventor(s)	Ayman F Naguib Arthur R Calderbank	Case Name	Calderbank 2000- 0238
Filing Date	10/13/2000	Serial No.	09/687,238
Examiner	Jean B. Corrielus	Group Art Unit	2631
Title	Equalization of Transmit Diversity Space-Time Coded Signals		
<b>PATENT No. 7,010,029      ISSUED:      03/07/2006</b>			

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

REQUEST FOR ISSUANCE OF CERTIFICATE OF CORRECTION  
UNDER 37 CFR 1.322

In accordance with the provisions of 37 CFR 1.322, please issue a Certificate of Correction for the above-numbered patent as set forth in the attached Certificate of Correction form.

The location of the mistakes in the printed patent are set forth by column and line number in the attached Certificate of Correction.

The Commissioner is authorized to charge Deposit Account No. 500732 in the name of Henry T. Brendzel, the amount due.

Respectfully,  
Ayman F Naguib  
Arthur R Calderbank

Dated: 3/1/2010

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# UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Patent No : **US 7,010,029**

Dated : **03/07/2006**

Inventor(s) : **Ayman F. Naguib and Arthur R. Calderbank**

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

## IN THE SPECIFICATION

On the Coversheet, (57) ABSTRACT, the equation in the Abstract

$$\text{“}\xi_j(k) = \left| r(k) - \sum_{l=L_1+1}^{L_1} \tilde{h}_j(l) \tilde{s}(k-l) - \sum_{l=L_1+1}^{L+1} \tilde{h}_j(l) \hat{s}(k-l) \right|^2 \text{”}$$

should read

$$\text{--}\xi_j(k) = \left| r(k) - \sum_{l=0}^{L_1} \tilde{h}_j(l) \tilde{s}(k-l) - \sum_{l=L_1+1}^{L+1} \tilde{h}_j(l) \hat{s}(k-l) \right|^2 \text{--}$$

Column 2, line 35, equation

$$\text{“}\xi_j(k) = \left| r(k) - \sum_{l=L_1+1}^{L_1} \tilde{h}_j(l) \tilde{s}(k-l) - \sum_{l=L_1+1}^{L+1} \tilde{h}_j(l) \hat{s}(k-l) \right|^2 \text{”}$$

should read

$$\text{--}\xi_j(k) = \left| r(k) - \sum_{l=0}^{L_1} \tilde{h}_j(l) \tilde{s}(k-l) - \sum_{l=L_1+1}^{L+1} \tilde{h}_j(l) \hat{s}(k-l) \right|^2 \text{--}$$

Column 6, line 35, equation

$$\text{“}\xi_j(k) = \left| r(k) - \sum_{l=L_1+1}^{L_1} \tilde{h}_j(l) \tilde{s}(k-l) - \sum_{l=L_1+1}^{L+1} \tilde{h}_j(l) \hat{s}(k-l) \right|^2 \text{”}$$

should read

$$\text{--}\xi_j(k) = \left| r(k) - \sum_{l=0}^{L_1} \tilde{h}_j(l) \tilde{s}(k-l) - \sum_{l=L_1+1}^{L+1} \tilde{h}_j(l) \hat{s}(k-l) \right|^2 \text{--}$$

# IN THE CLAIMS

Column 7, line 1, equation

$$\text{“}\xi_j(k) = \left| r(k) - \sum_{l=L_1+1}^{L_1} \tilde{h}_j(l) \tilde{s}(k-l) - \sum_{l=L_1+1}^{L+1} \tilde{h}_j(l) \hat{s}(k-l) \right|^2 \text{”}$$

should read

$$\text{--}\xi_j(k) = \left| r(k) - \sum_{l=0}^{L_1} \tilde{h}_j(l) \tilde{s}(k-l) - \sum_{l=L_1+1}^{L+1} \tilde{h}_j(l) \hat{s}(k-l) \right|^2 \text{--}$$

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